

The Commonwealth of Massachusetts  
Executive Office of Health and Human Services  
Department of Public Health  
William A. Hinton State Laboratory Institute  
305 South Street, Jamaica Plain, MA 02130  
617-983-6622

DEVAL L. PATRICK  
GOVERNOR

TIMOTHY P. MURRAY  
LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD  
SECRETARY

JOHN AUERBACH  
COMMISSIONER

02/08/12

Ryan Mingo  
Assistant District Attorney, Suffolk County

Dear ADA Mingo,

Enclosed are copies of the information you requested regarding sample numbers  
[REDACTED] in the following:

1. Drug Analysis Laboratory Receipt.
2. Curriculum Vitae for Daniela Frasca and Annie Khan (Dookhan).
3. Control Cards with Analytical Results for sample numbers [REDACTED]
4. Analysis Notation Form for sample number [REDACTED]
5. Control Card with Hand Written Notations of Analytical Results for sample number  
[REDACTED]
6. GC-MS Raw Data Sheets for sample number [REDACTED]

GC-MS confirmatory testing was performed by Annie Khan (Dookhan). All other testing was performed by Daniela Frasca. If you have any questions or concerns about these facts, please contact me at the number below.

Sincerely,

A handwritten signature in black ink, appearing to read 'Daniela Frasca'.

Daniela Frasca  
Chemist II  
Drug Laboratory  
617 983-6631  
fax: 617 983-6625



**DRUG RECEIPT**

CC # XXXXXXXXXX  
BOOK # 154  
PAGE # 85  
DESTRUCTION #

District/Unit B-2

Name & Rank of Arresting Officer DET. S. RICHARD ID# 11637

To be completed by ECU personnel only

Name and Rank of Submitting Officer \_\_\_\_\_ ID# \_\_\_\_\_

Received by SP Date 6-7-11

ECU Control #

# Curriculum Vitae

## Daniela Frasca

### Education

#### **Suffolk University, Boston, MA**

*Graduated in 05/1996 and received a Bachelor of Science in Biochemistry*

### EXPERIENCE

#### **Massachusetts State Laboratory Institute/DPH, Jamaica Plain, MA**      01/2001 – present

##### Drug Laboratory: Chemist II

- Analysis of all substances by chemical screening, microscopy, and instrument confirmation to determine the presence of drugs for law enforcement agencies in the Commonwealth of Massachusetts.
- Appointed assistant analyst on January 29, 2001 by the Assistant Commissioner of DPH
- Completed four weeks of training in drug analysis under the supervision of senior chemists.

#### **Quest Diagnostics Incorporated, Cambridge, MA**      09/1996 – 10/2001

##### Department of Toxicology: Medical Technologist I

- Handles comprehensive toxic analysis, therapeutic drug monitoring, forensic drug screening, and compound ID's of biohazard samples utilizing standard operating procedures in clinical toxicology.
- Entered data and interpreted results for reporting
- QC/QA of multiple analytical instrumentation as well as maintenance
- Completed 60 days of training under the supervision of doctorate level toxicologists.

### Additional Training and Graduate Courses

#### **Boston University School of Medicine**

Forensic Toxicology	Bloodstain Pattern Analysis	Forensic Pathology
Pattern Evidence Analysis	Trace Evidence Analysis	
Forensic Biology	Criminal Law Mock Court (Expert Witness)	

#### **Northeastern Association of Forensic Scientists**

Designer Drugs	Clandestine labs
Agilent Instruments and Software	Digital Photography

#### **McCrone Research Institute**

Scanning Electron Microscopy and X-ray Microanalysis	Forensic Polarized Microscopy
Polarized Microscopy of Illicit Drugs and Excipients	Chemical Microscopy
Sample Preparation and Manipulation for Microanalysis	

#### **Massachusetts State Laboratory Institute**

Expert Witness Testimony	Portable Raman Spectrometry
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### Associations and Programs

- Northeastern Association of Forensic Scientists (NEAFS)
- The International Association of Forensic Toxicologists (TIAFT)
- The International Association of Therapeutic Drug Monitoring And Clinical Toxicology (IATDMCT)
- Massachusetts State Science Fair Judge
- Middle School State Science Fair Judge
- TTT Mentor Science Project Mentor/Tutor Volunteer

## Curriculum Vitae

### Annie Khan (Dookhan)

#### **Education:**

University of Massachusetts, Boston, Ma, Bachelor of Science  
Major: Biochemistry  
Minor: Economics

#### **Experience:**

2003 – present

#### **Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory**

- \*Responsible for the identification of illicit drugs to determine violations of harmful and narcotic drug laws.
- \*Writing of the Standard Operating Procedures (SOPs) and Protocols.
- \*Responsible for the Quality Control and Quality Assurance of analytical instruments, reagents and controls/standards.
- \*Maintenance and repairs of analytical instruments.
- \*Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.
- \*Qualified as an expert witness in Massachusetts Courts and U.S. District Court.
- \*Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.
- \*Appointed Assistant Analyst by Assistant Commissioner of Public Health.
- \*Notary Public.

2001 – 2003

#### **QC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control**

- \*Completed proficiency training conducted by a member of the staff within the MBL Quality Control and Quality Assurance Department for the Food and Drug Administration.
- \*Method Development for creating new techniques for the QC Dept. and FDA.
- \*Writing, revising and reviewing the Standard Operating Procedures (SOPs).
- \*Trained and supervised new chemists and interns for the department.
- \*Routine QC testing of products for the FDA.
- \*Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.
- \*Calibration, preventive maintenance, QC and QA of analytical instrumentation.
- \*Complete testing of chemicals for Vendor Validation Project for the FDA.
- \*Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

#### **Additional Courses:**

##### **Department of Justice – Forensics Professionals**

Introduction to Forensic Drug Chemistry  
Chemical Spot Test and Mechanism for Illicit Drugs  
Forensic Mass Spectrometry  
Forensic Science 101: An Introduction  
Fundamentals of Forensic Questioned Documents

Perspectives in Expert Testimony  
Evidence Analysis  
Ethics in Forensic Science  
Transition to Leadership  
Fundamentals of Forensic Toxicology

#### **Additional Trainings:**

Good Laboratory Practice/Good Manufacturing Practice (GLP/GMP) training with Massachusetts Biologic Laboratory.  
Quality Control/Quality Assurance (QC/QA) training according to FDA Codes and Regulations.  
Gas Chromatography (GC) and Gas Chromatography/Mass Spectrometry (GC/MS) trainings with Agilent Technologies and Restek.  
High Power Liquid Chromatography (HPLC) and HPLC/MS/MS trainings with Waters Cooperation.  
Fourier Transform Infrared Spectroscopy (FTIR) training with Spectros and Spectum One.  
Ultraviolet-Visible Spectroscopy (UV-Vis) training with Agilent Technologies and Beckman.  
Total Organic Carbon Analyzer (TOC) training with MBL and Sievers.

#### **Associations:**

American Chemical Society (ACS)  
Northeastern Association of Forensics Science (NEAFS)

No. [REDACTED] Date Analyzed: 06-30-11  
City: Boston D.C.U. Police  
Officer: P.O. Diana Lopez

Def: [REDACTED]  
Amount: Subst: SUB  
No. Cont: 1 Cont: pb

Date Rec'd: 06/01/2011 No. Analyzed:

Gross Wt: 1.840 Net Wt: 0.279  
#Tests: 7  
\*2410

Prelim: Cocaine Findings: cocaine

No. [REDACTED] Date Analyzed: 6/30/11  
City: Boston D.C.U. Police  
Officer: P.O. Diana Lopez

Def: [REDACTED]  
Amount: Subst: VM  
No. Cont: 1 Cont: pb

Date Rec'd: 06/01/2011 No. Analyzed:

Gross Wt: 14.530 Net Wt:  
#Tests: 3

Prelim: Findings: Marijuana

# DRUG POWDER ANALYSIS FORM

SAMPLE # [REDACTED]

AGENCY Boston

ANALYST MM

-Torned

## PHYSICAL DESCRIPTION:

No contents

Br. mark

Powder loose in 1. PB (evidence bag)

Mary -

Gross W. -

Proed -

Net wt 0.2781g

Mack -

Cobalt +, blue

Gold +

TLTA +

## PRELIMINARY TEST RESULTS

RESULTS

Cocaine

DATE

6/27/11

## GC/MS CONFIRMATORY TEST

RESULTS

Cocaine

MS

OPERATOR

MM

DATE

6/30/11

No. [REDACTED] Date Analyzed:  
City: Boston D.C.U. Police  
Officer: P.C. Diana Lopez

6/30/11

Def: [REDACTED]  
Amount: Subst: VM  
No. Cont: 1 Cont: pb

Date Rec'd: 06/01/2011 No. Analyzed:

Gross Wt: 14.530 Net Wt:

#Tests: Marijuana

Marijuana

D-L & [REDACTED]

Prelim:

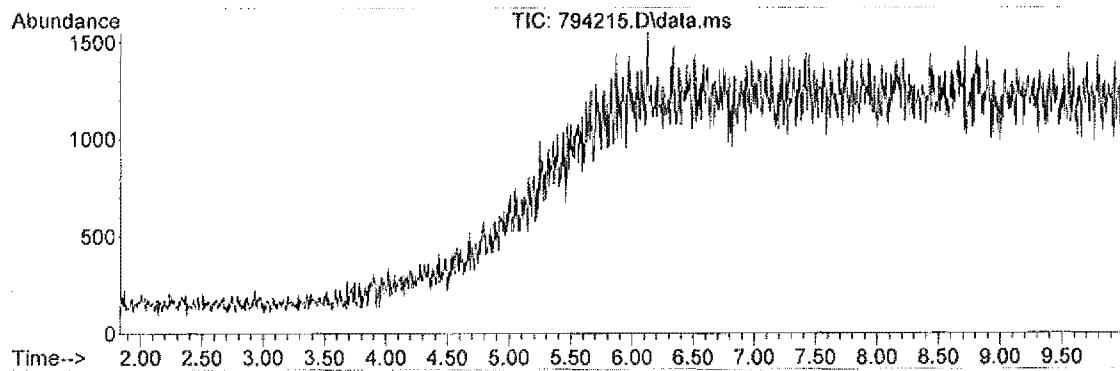
Findings: Marijuana [REDACTED]

MS  
PL/0750  
TH/0000  
DIA

## Information from Data File:

File Name : F:\Q2-2011\SYSTEM 7\06\_29\_11\794215.D  
Operator : ASD  
Date Acquired : 29 Jun 2011 10:23  
Sample Name : BLANK  
Submitted by : DXF  
Vial Number : 1  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

✓ ASD  
02-08-12



Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

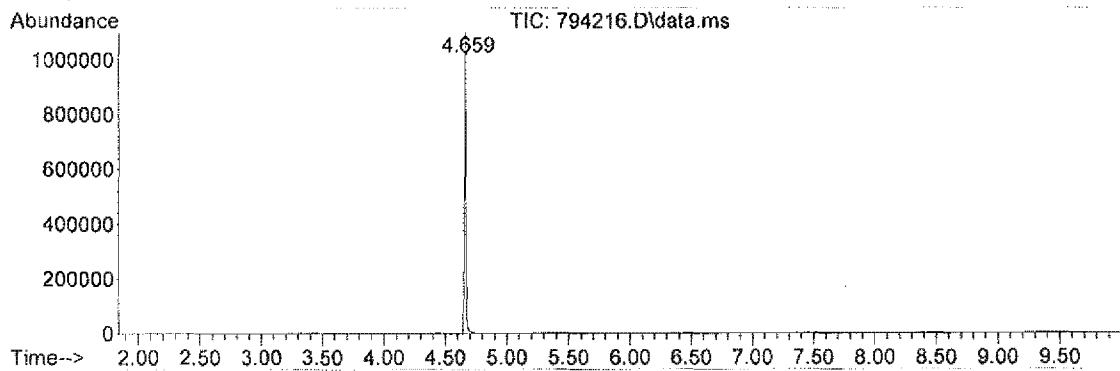
Area Percent / Library Search Report

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Information from Data File:

File Name : F:\Q2-2011\SYSTEM 7\06\_29\_11\794216.D  
Operator : ASD  
Date Acquired : 29 Jun 2011 10:36  
Sample Name : COCAINE STD  
Submitted by : DXF  
Vial Number : 16  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
4.659	942096	100.00	100.00

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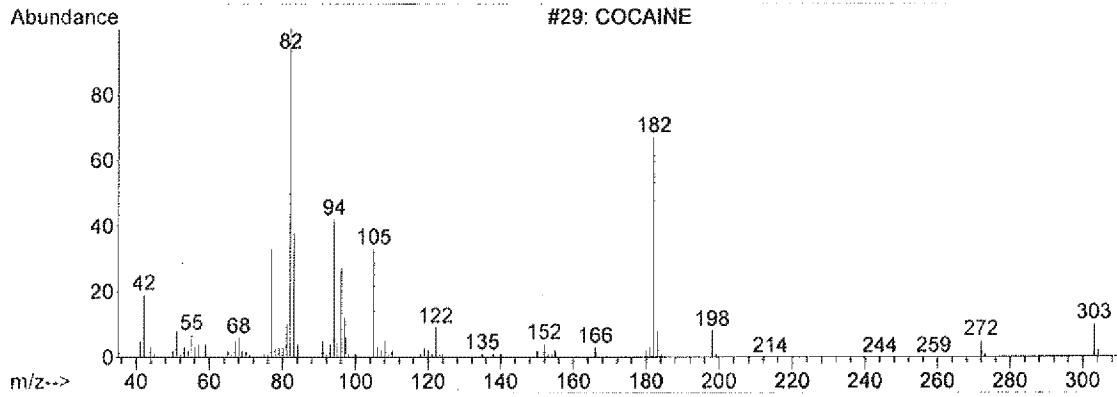
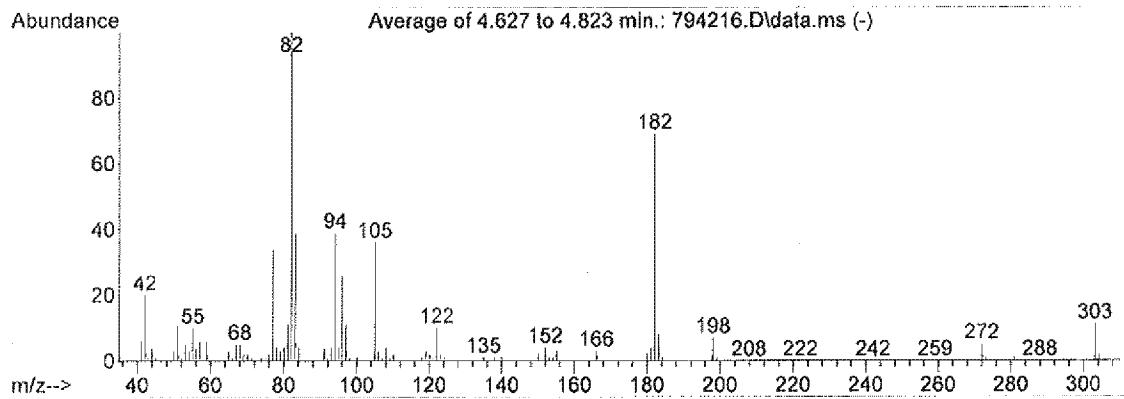
# Area Percent / Library Search Report

**Information from Data File:**

File Name : F:\Q2-2011\SYSTEM 7\06\_29\_11\794216.D  
Operator : ASD  
Date Acquired : 29 Jun 2011 10:36  
Sample Name : COCAINE STD  
Submitted by : DXF  
Vial Number : 16  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST05a.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	4.66	C:\Database\SLI.L COCAINE	000050-36-2	99



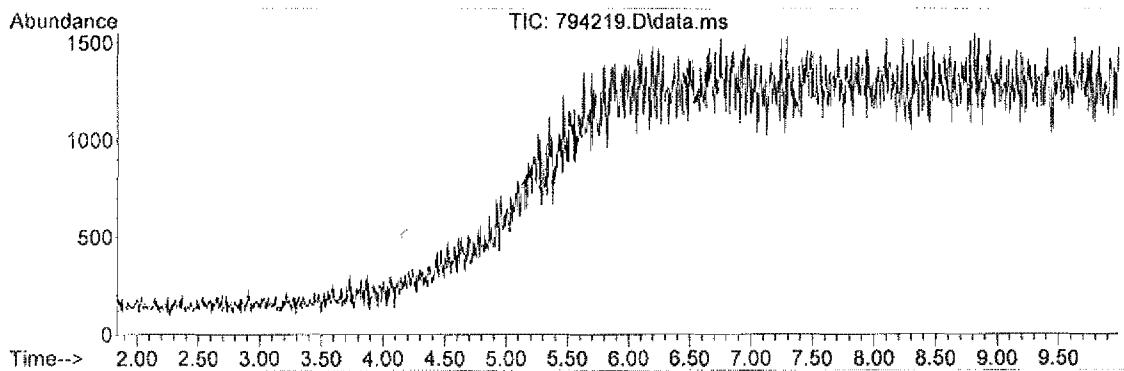
Area Percent / Library Search Report

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Information from Data File:

File Name : F:\Q2-2011\SYSTEM 7\06\_29\_11\794219.D  
Operator : ASD  
Date Acquired : 29 Jun 2011 11:14  
Sample Name : BLANK  
Submitted by : DXF  
Vial Number : 1  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

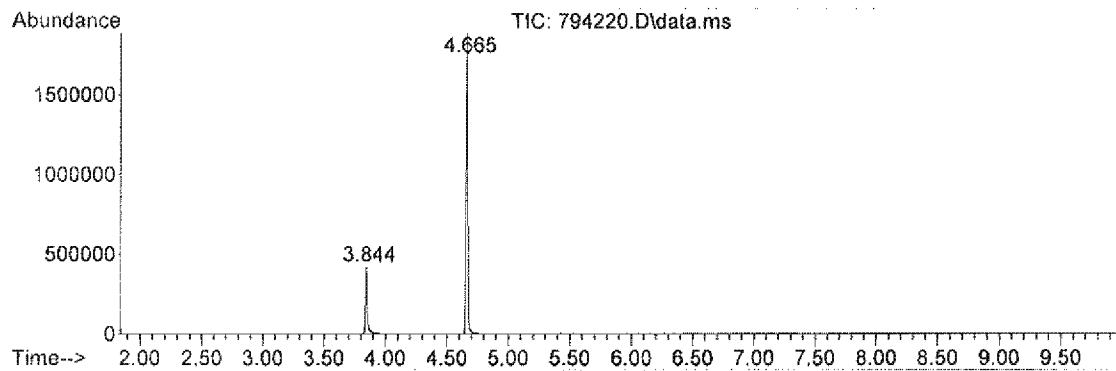
Area Percent / Library Search Report

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Information from Data File:

File Name : F:\Q2-2011\SYSTEM 7\06\_29\_11\794220.D  
Operator : ASD  
Date Acquired : 29 Jun 2011 11:26  
Sample Name : XXXXXXXXXX  
Submitted by : DXF  
Vial Number : 20  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
3.844	488596	20.60	25.94
4.665	1883564	79.40	100.00

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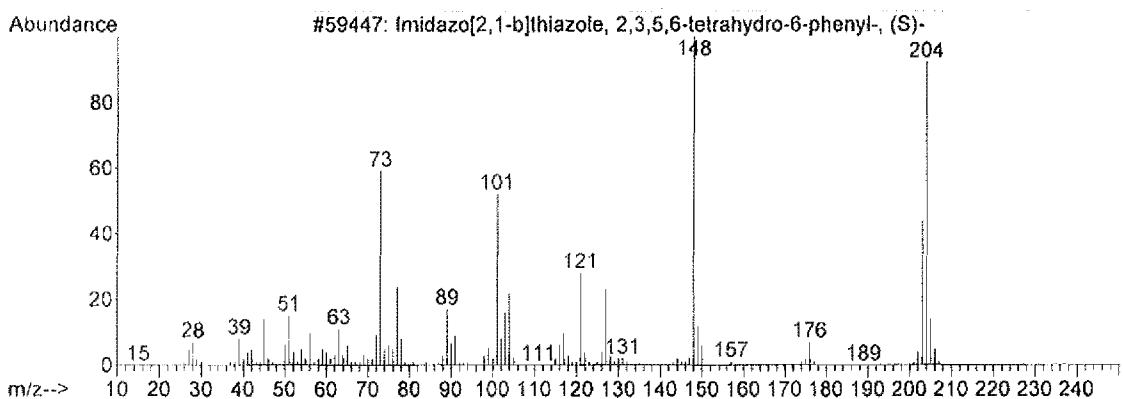
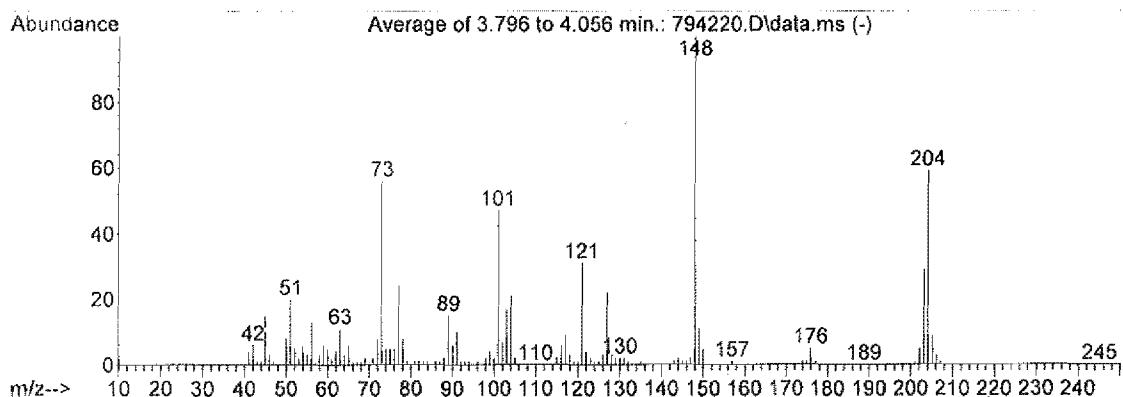
Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q2-2011\SYSTEM 7\06\_29\_11\794220.D  
 Operator : ASD  
 Date Acquired : 29 Jun 2011 11:26  
 Sample Name : XXXXXXXXXX  
 Submitted by : DXF  
 Vial Number : 20  
 AcquisitionMeth: DRUGS.M  
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
 C:\Database\NIST05a.L Minimum Quality: 80  
 C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	3.84	C:\Database\NIST05a.L		
		Imidazo[2,1-b]thiazole, 2,3,5,6-tet	014769-73-4	99
		Imidazo[2,1-b]thiazole, 2,3,5,6-tet	014769-73-4	98
		Imidazo[2,1-b]thiazole, 2,3,5,6-tet	006649-23-6	98

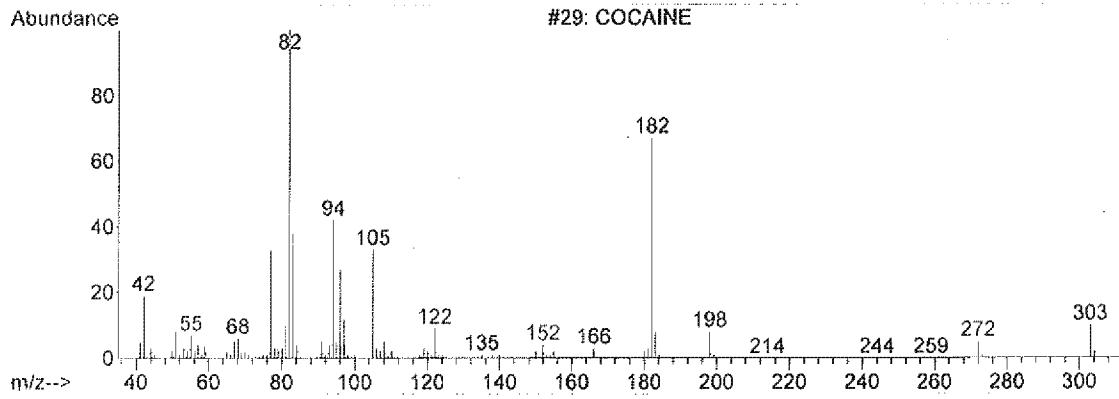
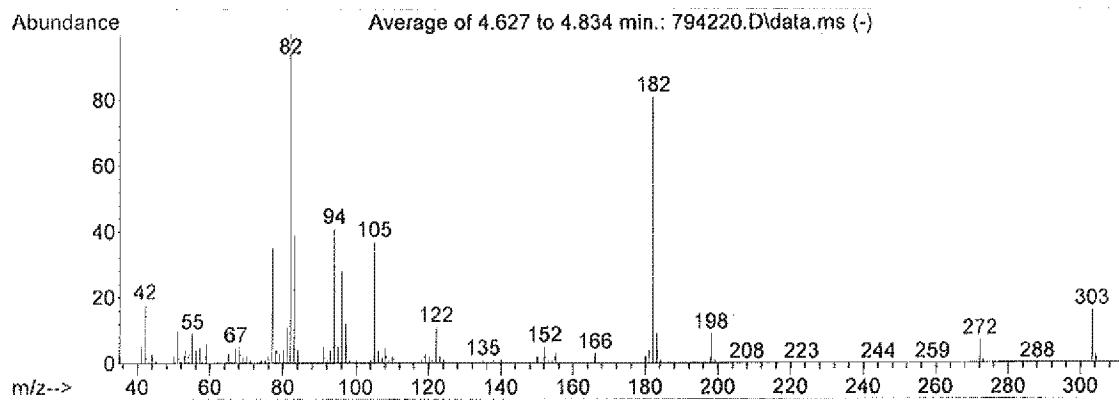


## Information from Data File:

File Name : F:\Q2-2011\SYSTEM 7\06\_29\_11\794220.D  
Operator : ASD  
Date Acquired : 29 Jun 2011 11:26  
Sample Name : XXXXXXXXXX  
Submitted by : DXF  
Vial Number : 20  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

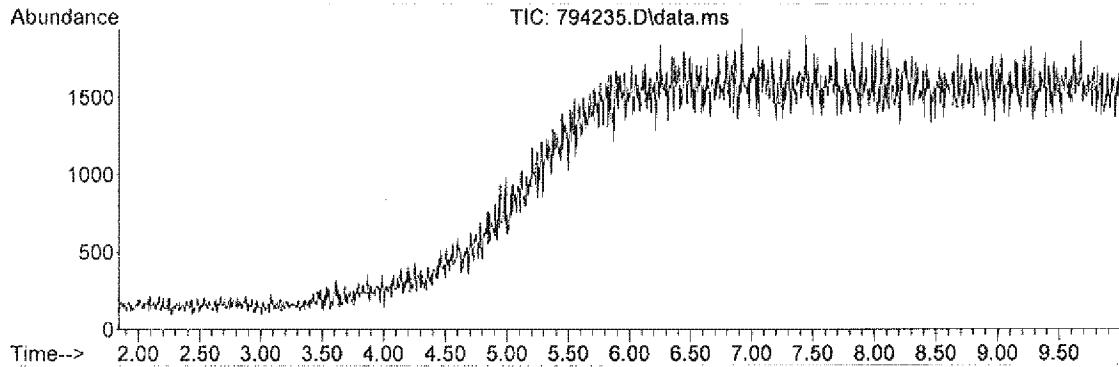
Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST05a.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
2	4.66	C:\Database\SLI.L COCAINE	000050-36-2	99



## Information from Data File:

File Name : F:\Q2-2011\SYSTEM 7\06\_29\_11\794235.D  
Operator : ASD  
Date Acquired : 29 Jun 2011 14:36  
Sample Name : BLANK  
Submitted by : DXF  
Vial Number : 1  
AcquisitionMeth: DRUGS.M  
Integrator : RTE



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Ret. Time	Area	Area %	Ratio %
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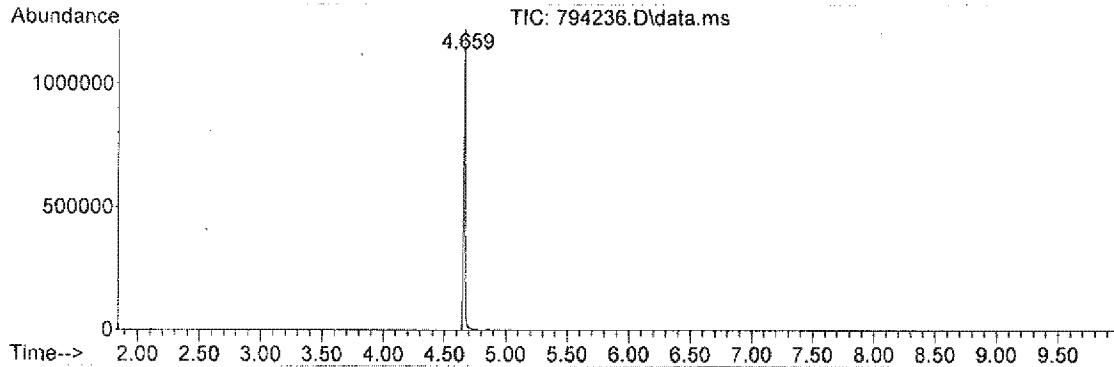
\*\*\*NO INTEGRATED PEAKS\*\*\*

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Information from Data File:

File Name : F:\Q2-2011\SYSTEM 7\06\_29\_11\794236.D  
Operator : ASD  
Date Acquired : 29 Jun 2011 14:49  
Sample Name : COCAINE STD  
Submitted by : DXF  
Vial Number : 16  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
4.659	1089436	100.00	100.00

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Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q2-2011\SYSTEM 7\06\_29\_11\794236.D  
 Operator : ASD  
 Date Acquired : 29 Jun 2011 14:49  
 Sample Name : COCAINE STD  
 Submitted by : DXF  
 Vial Number : 16  
 AcquisitionMeth: DRUGS.M  
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
 C:\Database\NIST05a.L Minimum Quality: 80  
 C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	4.66	C:\Database\SLI.L COCAINE	000050-36-2	99

